## ABSTRACT

## METHODS FOR DETERMINING THE TRUE SIGNAL OF AN ANALYTE

The invention relates to a method of determining a true signal of an analyte, comprising (a) measuring an observed signal x for one or more analytes, and (b) determining a mean signal ($\mu$) and a system parameter ($\beta$) for said analyte that produce enhanced values for a probability likelihood of said observed signal, said observed signal being related to said mean signal by an additive error ($\delta$) and a multiplicative error ($\varepsilon$), wherein said system parameter specifies properties of said additive error ($\delta$) and said multiplicative error ($\varepsilon$).